

Amendments To the Claims:

Please amend the claims as shown.

1. (currently amended) A method for transmitting data in a switchable data network, comprising:
| assigning priorities for transmission in the switchable data network to each in a plurality
| of data telegrams each having a beginning and an end, some of the data telegrams assigned a first
| priority; and
| sending the data telegrams which are assigned the first priority, during a first phase of a
| transmission cycle, from first users to second users in the switchable network wherein the first
| phase is characterized by an end time based on a defined receive time of the end of a data
| telegram having the first priority at one of the second users.
2. (previously presented) A method according to Claim 1, wherein only data telegrams assigned
a second priority are sent in a second phase after the end of the first phase.
3. (previously presented) A method according to Claim 1, wherein the first phase is followed by
a second phase and data telegrams assigned any priority are sent in a third phase after an end of
the second phase.
4. (previously presented) A method according to Claim 1, wherein the transmission cycle is
cyclically repeated with the first phase in each transmission cycle having an end time based on a
defined receive time of the end of a data telegram by a second user.
5. (previously presented) A method according to Claim 1, wherein data telegrams with realtime
data are assigned the first priority.

6. (currently amended) A system for transmitting data in a switchable data network, comprising users having mechanisms for sending, receiving, or forwarding data telegrams in the switchable network, wherein the data telegrams each have a beginning and an end and wherein the telegrams are assigned priorities, wherein data telegrams assigned a first priority are sent from first users to second users in the switchable network during a first phase with the first phase being characterized by an end based on a pre-defined receive time of the end of each sent data telegram at one of the second users.

7. (previously presented) A system according to Claim 6, wherein the first users are provided with a second phase after the end of the first phase for exclusively sending data telegrams assigned a second priority to the second users.

8. (previously presented) A system according to Claim 6, wherein a second phase follows the first phase and the first users are provided with a third phase after an end of the second phase for sending data telegrams assigned any priority to the second users.

9. (previously presented) A system according to Claim 6, wherein the system for transmitting realtime data is provided in the switchable data network, with the realtime data being assigned the first priority.

10. (currently amended) A switchable data network comprising mechanisms for sending, receiving, or forwarding data telegrams during cyclical transmission intervals, wherein the data telegrams each have a beginning and an end and wherein the data telegrams transmitted in the switchable network are assigned priorities, wherein a first usable portion of a transmission interval in the network is used during a first phase for sending data telegrams assigned a first priority from a first user to one or more second users, with the first phase having an end based on a pre-defined receive time for receipt of the end of a data telegram assigned the first priority at one of the second users.

11. (previously presented) A method according to Claim 2, wherein data telegrams assigned any priority are sent in a third phase after the end of the second phase.

12. (previously presented) A method according to Claim 2, wherein the first phase is cyclically repeated.

13. (previously presented) A method according to Claim 3, wherein the first phase is cyclically repeated.

14. (previously presented) A method according to Claim 2, wherein data telegrams with realtime data are assigned the first priority.

15. (previously presented) A method according to Claim 3, wherein data telegrams with realtime data are assigned the first priority.

16. (previously presented) A method according to Claim 4, wherein data telegrams with realtime data are assigned the first priority.

17. (previously presented) A system according to Claim 7, wherein the first users are provided during a third phase after the end of the second phase for sending data telegrams assigned any priority to the second users.

18. (previously presented) A system according to Claim 7, wherein the system for transmitting realtime data is provided in the switchable data network, with the realtime data being assigned the first priority.

19. (previously presented) The method of claim 1 wherein the end time of the first phase is based on the length of the data telegram.

20. (previously presented) The method of claim 19 wherein for at least one cycle the end time of the first phase for each user is also based on routing time to each user receiving a data telegram of the first priority so that the end time of the first phase in the at least one cycle differs among users receiving data telegrams based on routing times.